

Amendments to the Claims:

There are no amendments to the claims. This listing of claims reiterates the previous version of the claims.

Listing of Claims:

1.-33. (Canceled)

34. (Previously presented) A method of detecting ErbB4 receptor in a sample, the method comprising:

a) contacting a detectably labeled polypeptide with the sample, wherein the polypeptide comprises an EGF-like domain, the EGF-like domain comprising an amino acid sequence having at least 75% amino acid sequence identity to SEQ ID NO:4, and wherein the polypeptide binds to ErbB4 receptor but not ErbB2 receptor or ErbB3 receptor under experimentally comparable conditions; and

b) detecting binding of the polypeptide to a protein in the sample.

35. (Previously presented) The method of claim 34 wherein the sample comprises a cell expressing ErbB4 receptor on its surface.

36. (Previously presented) The method of claim 35 wherein the sample is a mammalian tissue sample.

37.-38. (Canceled)